

# National Safety Perspective



U.S. Department  
of Transportation  
  
Federal Highway  
Administration

Beth Alicandri  
Office of Safety Programs

Transportation Summit 2003  
MICHIGAN PARTNERSHIPS



---

---

---

---

---

---

---

## Highway Safety Problem

- Over 42,000 fatalities
- 3 million injuries - Over 6 million crashes
- 1.5 fatalities per 100 M VMT
- Leading cause of death for young people
- \$230 billion cost to society

Transportation Summit 2003  
MICHIGAN PARTNERSHIPS



---

---

---

---

---

---

---

## Crime Crash CLOCK

2000



Transportation Summit 2003  
MICHIGAN PARTNERSHIPS



---

---

---

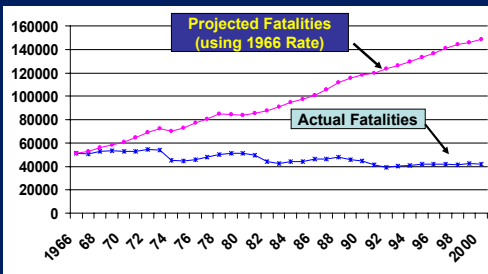
---

---

---

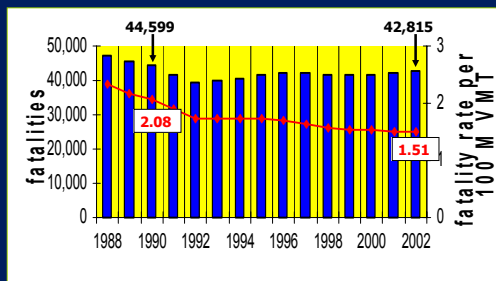
---

## Good News: Estimated Lives Saved in 2000



Transportation Summit 2003  
MICHIGAN PARTNERSHIPS

## Bad News: Plateau in Fatality Trends



Transportation Summit 2003  
MICHIGAN PARTNERSHIPS

## Partnering to Achieve Ambitious Safety Goals

1.0 Fatalities / 100M-VMT by 2008

US DOT  
AASHTO  
GHSA  
AAMVA

Transportation Summit 2003  
MICHIGAN PARTNERSHIPS

## Partnering to Achieve Ambitious Safety Goals

NEW MATH

$$1.0 = 9,000$$

Transportation Summit 2003 MICHIGAN PARTNERSHIPS




---

---

---

---

---

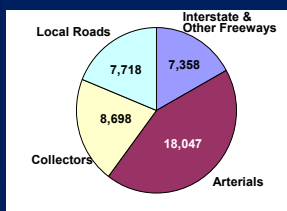
---

---

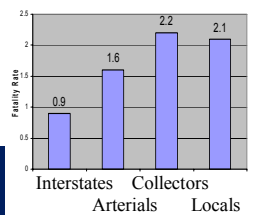
---

## Where Fatalities Occur

Numbers of fatalities



Fatality Rate



Transportation Summit 2003 MICHIGAN PARTNERSHIPS




---

---

---

---

---

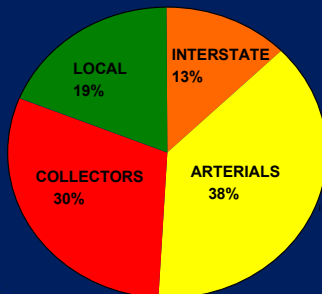
---

---

---

## Where Fatalities Occur

RURAL Fatalities



Transportation Summit 2003 MICHIGAN PARTNERSHIPS




---

---

---

---

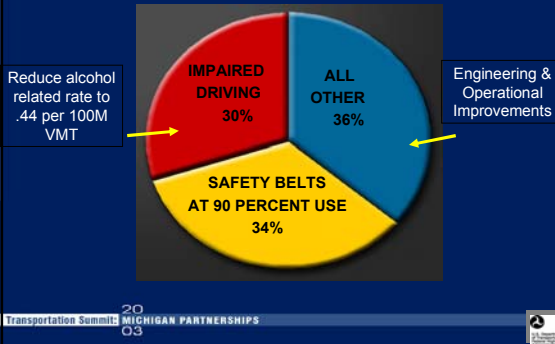
---

---

---

---

## Predicted Lives Saved -"4 E" Approach




---

---

---

---

---

---

---

---

## The "Vital Few" for Safety

Reduce **roadway departure** fatalities by 10% by 2007 → Save 2292 Lives

Reduce **intersection fatalities** by 10% by 2007 → Save 860 Lives

Reduce **pedestrian fatalities** by 10% by 2007 → Save 465 Lives

2003 Transportation Summit MICHIGAN PARTNERSHIPS

---

---

---

---

---

---

---

---

## Program-Wide Initiatives

- Expanding Partnerships – Internal & External
- Strategic Highway Safety Plan
- Advance AASHTO *Strategic Safety Plan*
- Integration of Safety w/ Planning Process
- Highway Safety Improvement Program

2003 Transportation Summit MICHIGAN PARTNERSHIPS

---

---

---

---

---

---

---

---

## Roadway Departure Crashes



Three roadway departure fatalities every hour

One roadway departure injury every minute

Three roadway departure crashes every minute

20  
Transportation Summit MICHIGAN PARTNERSHIPS  
03




---

---

---

---

---

---

---

---

## Roadway Departure Solutions



Removing Roadside Hazards



Crashworthy Devices

Improved Visibility



Rumble Strips

20  
Transportation Summit MICHIGAN PARTNERSHIPS  
03




---

---

---

---

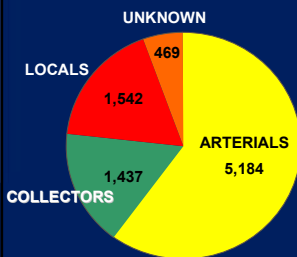
---

---

---

---

## Intersection Crashes



One intersection related fatality every hour

Two intersection related injury crashes every minute

Five intersection related crashes every minute

20  
Transportation Summit MICHIGAN PARTNERSHIPS  
03




---

---

---

---

---

---

---

---

## Intersection Solutions



**Design & Enforcement**



**Roundabouts**

**National  
Intersection  
Agenda**



Transportation Summit 2003 MICHIGAN PARTNERSHIPS

---

---

---

---

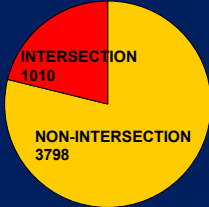
---

---

---

---

## Pedestrian Crashes



**One** pedestrian killed every two hours

**Eight** pedestrians injured every hour

**Thirteen** pedestrians killed each day

Transportation Summit 2003 MICHIGAN PARTNERSHIPS

---

---

---

---

---

---

---

---

## Pedestrian Solutions



**Engineering and ITS-Based Countermeasures**



**Pedestrian Safety Campaign**



**Safer Journey CD**

Transportation Summit 2003 MICHIGAN PARTNERSHIPS

---

---

---

---

---

---

---

---

## Cross Cutting Areas



Speed Management



Safety Belts



Older Road Users



Transportation Summit 2003 MICHIGAN PARTNERSHIPS



---

---

---

---

---

---

---

---

## Emerging Areas



Rural Roads



Motorcycle Safety

Transportation Summit 2003 MICHIGAN PARTNERSHIPS



---

---

---

---

---

---

---

---

## Safety Initiatives in SAFETEA

- More than doubles funds for highway safety
- Establishes a new performance-based core highway safety program (data driven)
- Provides incentives to enact primary seat belt laws that will greatly increase use
- Comprehensive Strategic Highway Safety Plan
- Consolidates, simplifies, and strengthens NHTSA's existing safety grant programs

Transportation Summit 2003 MICHIGAN PARTNERSHIPS



---

---

---

---

---

---

---

---

## Summary

- Highway Safety is a serious and under-recognized public health problem
- FHWA is partnering within and outside the USDOT to make a difference
- FHWA focuses resources on critical areas
- Reauthorization will enhance both funding and programs for highway safety

Transportation Summit 20  
03 MICHIGAN PARTNERSHIPS



---

---

---

---

---

---

---



U.S. Department  
of Transportation

Federal Highway  
Administration

Transportation Summit 20  
03 MICHIGAN PARTNERSHIPS



---

---

---

---

---

---

---